



# Children's Progress Academic Assessment (CPAA)

## *Adaptive Skills Assessment for Early Learners (PK-3)*

### Instant Information to Guide Instruction

The Children's Progress Academic Assessment (CPAA) is an interim, computer adaptive assessment of early literacy and mathematics skills. It is available for Pre K – Grade 3 in English and Pre K – Grade 2 in Spanish.

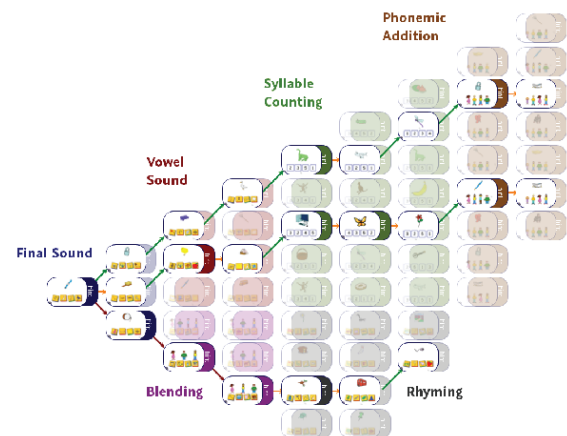
The CPAA generates instant reports aligned to Common Core and state standards to help teachers move quickly from assessment to instruction and help administrators identify resource needs. Narrative and graphical reports include tools to pinpoint skill gaps, group students for differentiation, plan instructional next steps and communicate with parents.

### Mimicking the Student-Teacher Interaction

Whereas a traditional assessment can only tell you if a student answered a question correctly or incorrectly, the CPAA's patented structure digs deeper. After each incorrect response, the CPAA presents the question again, with scaffolding (targeted hinting). In this way, the assessment mirrors a 1:1 student-teacher interaction in an efficient computer based format.

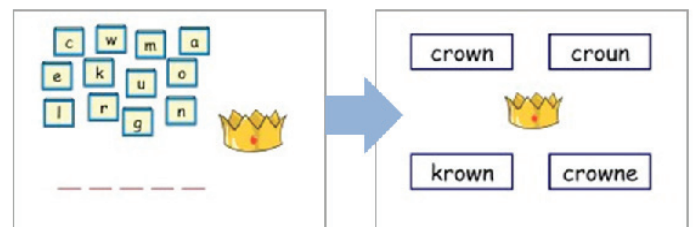
In addition to ensuring a stress-free experience for young students, scaffolding helps the CPAA collect more granular data for teachers, including instructional recommendations for targeting skills at the concept and sub-concept level. Scores factor in whether or not students needed scaffolding and narrative reports include item-level information.

### Adaptive Structure: Thousands of Unique Paths



Above is a schematic representation of the items available in a 1st grade phonemic awareness section of the CPAA. Each bubble represents one item, with difficulty increasing toward the top. In this example, three students start with the same item (far left), then move through the assessment by seeing different subsequent items, automatically tailored to their performance.

### Scaffolding in Action: A Test that Teaches



In the question on the left, the student is asked to spell "crown" by clicking on individual letters. If she spells it incorrectly, the scaffolded question (right) appears, asking her to choose the correct spelling among common distractors. The scaffolding gives her another chance to show what she knows when just a little more information is available.

# How It Works

## Step 1: Assess

Students complete the child-friendly assessment independently on the computer.



- Scenarios and feedback are engaging and developmentally appropriate
- Quick and easy to administer to a group or individual students (literacy and mathematics can be assessed together in 15-30 min, 3-6 times/year or up to once a month if desired)
- Difficulty adapts to performance, with scaffolding built in for additional support

## Step 2: Report

Educators and administrators gain instant access to interactive reports.

Report Areas				
Report Card   Full Report   Activities   Progress				
Click on concept to see details.				
Above Expectation (3.5-4.0)	At Expectation (2.5-3.5)	Approaching Expectation (1.5-2.5)	Below Expectation (1-1.5)	
Literacy - Student's Concept Scores			Score scales 1 to 4	
Concept	Graph	Level	Score	Class Avg.
Phonemic Awareness		Above Expectation	4	3.1
Phonics/Writing		At Expectation	3	3.2
Reading		Approaching Expectation	2	2.3
Mathematics - Student's Concept Scores			Score scales 1 to 4	
Concept	Graph	Level	Score	Class Avg.
Measurement		Approaching Expectation	2	2.6
Numeracy		At Expectation	3	2.3
Operations		Approaching Expectation	2	2.8
Patterns/Functions		Below Expectation	1	2.6

- Aligned to Common Core and state standards
- Immediately available online
- Built-in tools help teachers collect evidence of skill development, track progress and plan next steps
- Teachers can sort rosters by performance, find trouble areas, make groups, choose skill-specific activities for lesson plans, prepare for parent/teacher conferences and much more
- Administrators can use school and district level aggregate data and demographic reports to identify resource and program needs

## Step 3: Teach

Educators can get started right away. Targeted recommended activities help link assessment data to instruction.

Language Arts - Recommended Activities	
Phonemic Awareness	Reading
Phonics/Writing	
Reading Comprehension - Detail	
Active Reading (9)	
Picturing the News (6)	
Story Versions (4)	
Reading Comprehension - Sequence	
Beginning, Middle and End (1)	
Listen To This (1)	
Reading Comprehension - Vocabulary	
Boring Word Fit (0)	
Let's Make a Poem/Song (4)	
Personal Dictionaries (4)	
Complete the Sentence	
Short Passage Instructional Activity: The teacher should arrange word flashcards in order to form a sentence, leaving one card out. The teacher should then read the incomplete sentence with/to the child. Give the child a bunch of cards, between 2 and 5, one of which should complete the sentence. Ask the student to choose the correct card. Then, re-read the sentence with the chosen card and discuss whether or not it makes sense.	
Recommended Participants	
Trinity Abali	
Oliver Bernacchi	

- Skill-specific information, instructional activities and item-level insight take the guesswork out of grouping and differentiation
- Parent reports and activities (in English and Spanish) help engage and inform families

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